

In the claims:

1 (canceled).

69-79 (canceled).

80 (currently amended) A recombinant DNA molecule encoding a receptor recognition factor (RRF) protein having the following characteristics:

a) said RRF is cytoplasmic in origin;
b) said RRF is activated by tyrosine phosphorylation; and
c) upon activation said RRF is translocated to the nucleus of a target cell; wherein said DNA molecule hybridizes to the nucleotide sequence set forth in SEQ ID NO:3 under standard hybridizing conditions of 5 x SSC and 65 °C.

81-96 (canceled).